

Claims:

- 5 1. A method for selecting a quality of service for a data transmission connection between a wireless terminal and a mobile communication network, in which wireless terminal at least one application is executed, and the application determines at least one parameter affecting the quality of service for said data transmission connection, wherein the properties of the wireless terminal affecting the data transmission connection are examined and compared with at least one parameter affecting the quality of service determined by said application, to find out if any determined property of the wireless terminal restricts the quality of service of the data transmission connection with respect to any of said at least one parameter.
- 10 2. A method according to claim 1, wherein the properties of the wireless terminal affecting the data transmission connection are determined in the wireless terminal.
- 15 3. A method according to claim 1, wherein said comparison between the properties of the wireless terminal and at least one parameter affecting the quality of service determined by the application is made in the wireless terminal.
- 20 4. A method according to claim 1, wherein if said comparison indicates that one or more properties of the wireless terminal, affecting the data transmission, restricts the quality of service of the data transmission connection, information of this is transferred to the application.
- 25 5. A method according to claim 4, wherein it is determined, if the execution of the application can be continued with a data transmission connection with said restricted quality of service, wherein if the determination indicates that the execution of the application can be continued, the setting up of a data transmission connection according to the restricted quality of service is started.
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6. A method according to claim 1, wherein if said comparison indicates that one or more properties of the wireless terminal, affecting the data transmission, restricts the quality of service of the data transmission connection, no information of this is transferred to the application.

7. A method according to claim 1, wherein said at least one parameter affecting the quality of service is any of the following:

- delay,
- bit rate,
- bit error ratio,
- traffic class.

8. A method according to claim 1, wherein one or more QoS default profiles are stored in the wireless terminal, that when setting up the data transmission connection, the wireless terminal examines which of the default profiles best fulfills the parameters determined by the application, wherein the parameters contained in this default profile are transmitted to the mobile communication network for setting up a data transmission connection.

9. A communication system comprising means for selecting a quality of service for a data transmission connection between a wireless terminal and a mobile communication network, the wireless terminal comprising means for executing at least one application and means for determining at least one parameter affecting the quality of service for said data transmission connection in the application, wherein the communication system further comprises means for determining the properties of the wireless terminal affecting the data transmission connection, and means for comparing said properties with at least one parameter affecting the quality of service determined by said application, to find out if any determined property of the wireless terminal restricts the quality of service of the data transmission connection with respect to any of said at least one parameter.

10. A communication system according to claim 9, wherein the means for determining the properties of the wireless terminal affecting the data transmission connection are provided in the wireless terminal.
- 5 11. A communication system according to claim 9, wherein the means for comparing said properties with at least one parameter affecting the quality of service determined by said application are provided in the wireless terminal.
- 10 12. A communication system according to claim 9, wherein it comprises means for transmitting the result of said comparison to the application.
- 15 13. A communication system according to claim 12, wherein it comprises means for determining whether the execution of the application can be continued with the data transmission connection with said restricted quality of service.
- 20 14. A communication system according to claim 9, wherein said at least one parameter affecting the quality of service is any of the following:
- 25 - delay,
 - bit rate,
 - bit error ratio,
 - traffic class.
- 30 15. A wireless terminal for use in a communication system comprising means for selecting a quality of service for a data transmission connection between a wireless terminal and a mobile communication network, the wireless terminal comprising means for executing at least one application and means for determining at least one parameter affecting the quality of service for said data transmission connection in the application, wherein the wireless terminal further comprises means for determining the properties of the wireless terminal affecting the data transmission connection, and means for comparing said properties with at least one parameter affecting the quality of service determined by said application, to find out if any determined property of the wireless
- 35

terminal restricts the quality of service of the data transmission connection with respect to any of said at least one parameter.

- 5 16. A wireless terminal according to claim 15, wherein it comprises
means for transmitting a connection request to a mobile communication network, and means for transmitting QoS parameters in said connection request.
- 10 17. A wireless terminal according to claim 15, wherein means for executing at least one application comprise an application execution environment, in which the determination of the properties of the wireless terminal affecting the quality of service, and the comparison of said properties with at least one parameter affecting the quality of service determined by the application, are arranged to be performed.
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